

Work Order ID 143804

Wednesday, March 23, 2016 8:22:51 AM

143804

Page 1

Item ID: D3802-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Windows Seal (\$ Per Foot)

Stop ***NS2***

Start Date: 3/28/2016 Start Qty: 25.00

25DAS
13
9-89

Cust Item ID:

Required Date: 4/15/2016 Req'd Qty: 25.00

25

Customer:

Reference:

Approvals: Process Plan: MLJ Date: MAR 23 2016 Tooling: _____ Date: _____Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3802	D								
100	PURCHASING	0.00							DAS 13 9-89
100									
Purchasing	Memo	0.00							
Purchasing	Issue P/O: <u>31788</u>								
	Purchase Part Number: 93695K58								
	Supplier: Mc MASTER-CARR								
	Certificate of conformity is required								
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	0.01							
Packaging	Ensure material certification is attached								
120	QC6- Inspect dimensions to drawing	0.00							DAS 38 9-89
120									
QC	Memo	0.00							
Quality Control	Ensure Material certification comply to Dwg D3802								

50 MAR 23 201650 SP 16 03 2850MAR 29 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐	
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER : ☐			
Misidentified ☐		Past Due ☐					

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
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Misidentified ☐	Past Due ☐																																																														

Picklist Print

Wednesday, March 23, 2016 8:22:55 AM

Page 1/1

Work Order ID: 143804

143804

Parent Item: D3802-1

D3802-1

Parent Item Name: Windows Seal (\$ Per Foot)

Start Date: 3/28/2016

Required Date: 4/15/2016

Start Qty: 25.00

Required Qty: 25.00

Comments: IPP Rev:A 09-01-12 rev.A as per dwg DD verified by:ec
IPP Rev:B 09-04-15 rev.b as per dwg DD verified by:EC IPP Rev:C
10.08.04 p/n chg per ECN10-568 DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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93695K58

Purchased

No

110

f

0.0000

1

25

93695K58

WINDOW SEAL

50 2016-03-28

DQA: _____ Date: _____



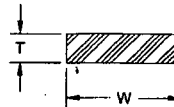
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
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Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
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Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
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Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

SPECIFICATION CONTROL DRAWING



D3802-X-YYY WINDOW SEAL WHERE YYY REPRESENTS LENGTH

DART P/N	SUPPLIER	SUPPLIER P/N	T THICKNESS	W WIDTH
D3802-1-YYY	McMASTER-CARR	93695K58	0.25	1.00

EG: 0.25" X 1.00" X 40" WINDOW SEAL = D3802-1-040
0.25" X 1.00" X 120" WINDOW SEAL = D3802-1-120

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

NO. 143804 ML5

16-03-23

RELEASED
2011-11-25

NOTES:

- 1) MATERIAL: 'PEEL AND STICK' NEOPRENE/EPT/SBR BLEND CLOSED CELL SPONGE, MEDIUM DENSITY
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

D	CORRECTED P/N EXAMPLE FOR CUT LENGTH OF 40": ADDED EXAMPLE FOR CUT LENGTH OF 120" ZN B3-1). REASON: PAR11-100.	MB	11.11.22
C	CHANGE SUPPLIER P/N TO 93695K58 PER FLAMMABILITY TEST RESULTS	MB	10.06.30
B	CHANGE SUPPLIER P/N TO 93695K88 PER FLAMMABILITY TEST RESULTS	MB	08.12.18
A	NEW ISSUE	MB	08.06.20
REV.	DESCRIPTION	BY	DATE
DESIGN	IR		
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	11.11.22		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. D3802		REV. D SHEET 1 OF 1	
TITLE WINDOW SEAL		SCALE NTS	
COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED IN ANY MANNER WITHOUT			



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO31788**

Purchase Order Date 3/23/2016

PO Print Date 3/23/2016

Page Number 6 of 7

Order From :

VU-MCM001

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

330 995 5500

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

Purolator ground ppd

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 10

USD

FCA - (Free Carrier)

17	92311A639	SS SET SCREW	3/28/2016 Yes 3/28/2016	200.00 Each	\$0.66	\$132.38
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AS PER DWG D2747 REV. B
B143803

Line Total: \$132.38

18	93695K58 ✓	WINDOW SEAL	3/28/2016 Yes 3/28/2016	50.00 f	\$0.31	\$15.40
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AS PER DWG D3802 REV. D
B143804

MFG. C OF C REQUIRED

Line Total: \$15.40

19	8672K31	UHMW U-Channel	3/28/2016 Yes 3/28/2016	32.00 f	\$3.26	\$104.32
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AS PER DWG D4287 REV. A
B143802

Line Total: \$104.32

Note:

3/23/2016



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO31788

Page 1 of 2

03/23/2016

Order Placed By
Chantal Lavoie

McMaster-Carr Number
8868897-03

Line	Product	Ordered	Shipped
1	1145N2 Paint and Drywall Mud Mixing Attachment, 3/8" Shaft Diameter, 24" Shaft Length	1 Each	1
2	2936A16 Coated Carbide 2 in 1 Countersink, Trade Size #4, 82 Degree Angle, TiCN Coating	1 Each	1 ✓
3	26885A46 Cobalt Steel Letter Size Chucking Reamer, Size F, 1-1/2" Flute Length, .2485" Shank Diameter	2 Each	2 ✓
4	11675A41 Under-Mount Drawer Slide, 12" Closed Length	2 Pairs	2 ✓
5	2082A1 Threads Per Inch and Thread Pitch Size Checker	1 Each	1 ✓
6	47865K24 Brass Ball Valve, 3/4" NPT Female Connections	1 Each	1
7	44605K155 Low-Pressure Black Malleable Iron Thread Fitting, 3/4 Pipe Size, Tee	3 Each	3
8	44605K115 Low-Pressure Black Malleable Iron Thread Fitting, 3/4 Pipe Size, 90 Degree Elbow	4 Each	4
9	44615K465 Standard-Wall Black Steel Threaded Pipe Nipple, 3/4 Pipe Size X 4" Length	1 Each	1
10	4457K229 Standard Wall Black Welded Steel Pipe, 3/4 Pipe Size X 16" Length, Threaded Ends	1 Each	1
11	4457K41 Standard Wall Black Welded Steel Pipe, 3/4 Pipe Size X 24" Length, Threaded Ends	1 Each	1
15	44605K344 Low-Pressure Black Malleable Iron Thread Fitting, 3/4 Male X 1/4 Female, Hex Reducing Bushing	3 Each	3
16	91732A734 18-8 Stainless Steel Standard Helical Insert, 1/4"-20 Internal Thread, 0.500" Length, MS122161, Packs of 10	2 Packs	2
17	92311A639 18-8 Stainless Steel Cup Point Set Screw, 3/8"-24 Thread, 1" Long, Packs of 10	20 Packs	20
18	93695K58 Oil-Rst Fire-Retardant Blended Buna-N Foam, 50 ft. Adhesive-Back Strip, 1/4" Thickness, 1" WD	1 Each	1
20	63215K52 Stainless Steel Ball Joint Swivel Bearing, PTFE Lined, 1/4" ID, 21/32" OD, 11/32" Ball Thick	10 Each	10

8016-03-28

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO31788

Page 2 of 2

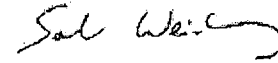
03/23/2016

Order Placed By
Chantal Lavoie

McMaster-Carr Number
8868897-03

Certificate of compliance

This is to certify that the above items were supplied in accordance with the description and as illustrated in the catalog. Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.



Sarah Weinberg
Compliance Manager

Sp/16-03-28